DOCUMENT RESUME

ED 310 913 SE 050 835

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TITLE Mathematics Projects Handbook. Third Edition.
INSTITUTION National Council of Teachers of Mathematics, Inc., Reston, Va.
REPORT NO ISBN-0-87353-283-X
PUB DATE 89
NOTE 52p.; For second edition, see ED 214 773.
AVAILABLE FROM National Council of Teachers of Mathematics, 1906 Association Drive, Reston, VA 22091 ($5.00; 20% reduction for members, bookstores, or orders of 10 or more).
PUB TYPE Guides - Non-Classroom Use (055)

EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS *Mathematical Enrichment; Mathematics Materials; *Mathematics Skills; Science Fairs; Science Projects; Secondary Education; *Secondary School Mathematics
IDENTIFIERS *Mathematics Projects

ABSTRACT

This handbook is designed as a guide for teachers and students in choosing and developing mathematics projects. Included are materials ranging from simple demonstrations of mathematical problems or principles that the teachers had assigned as classroom learning experiences to complex, sophisticated exhibits intended for fairs and competitions. The first chapter, "Developing a Mathematics Project," discusses choosing a project, research methods, construction methods, responsibilities and guidance, and evaluation criteria. The second chapter, "Looking for Ideas," lists possible project titles and ideas for high school and junior high school. The third chapter, "General Topics," provides examples of how a project can be chosen and developed. Chapter 4, "Resources," provides an annotated bibliography and names and addresses of publishers and periodicals. A total of 193 references are listed in the last chapter. Appendices include: (1) "Mathematics Project Progress Report;" and (2) "Tips for Oral Presentation of Projects." (YP)

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